

## **ABSTRACT**

An echo cancellation device in a full duplex communication system having a transmitter for transferring a near-end signal and a receiver for receiving a far-end signal includes a filter for generating a filtered signal according to the near-end signal; an echo canceller coupled to the filter for generating an echo cancellation signal according to the filtered signal; and at least one echo cancellation resistor coupled to the transmitter, the receiver, and the echo canceller; wherein the echo canceller further includes a pull-up current source for increasing a DC level of the echo canceller.